Index of Claims



Application/Control No.

09/828,340 Examiner

Albert T. Chou

Applicant(s)/Patent under Reexamination

WIBERG ET AL.

Art Unit

2662

| √ | Rejected | _ | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | _ | Interference | 0 | Objected |

| Cla            | im          | Date   |              |            |          |                              |  | Clai                                | m        | n Date    |          |                         |          |          |          |          |              | Cli      | aim      | Date     |                    |          |          |          |                                     |             |          |          |          |          |               |          |          |
|----------------|-------------|--|--------------|------------|----------|------------------------------|--|-------------------------------------|----------|-----------|----------|-------------------------|----------|----------|----------|----------|--------------|----------|----------|----------|--------------------|----------|----------|----------|-------------------------------------|-------------|----------|----------|----------|----------|---------------|----------|----------|
|                |             |  |              |            |          |                              |  |                                     |          |           |          | Т                       |          |          |          |          |              |          |          | Т        | $\neg$             |          |          |          |                                     |             |          |          |          |          |               | П        |          |
| a              | Original    | 6/1/05   |              | - 1        |          |                              |  |                                     |          |           | 7        | ;                       | Original |          |          |          |              |          |          |          |                    |          | ज        | Original |                                     | ı           |          |          |          |          |               |          |          |
| Final          | ij          | 11/1   |              |            | ı        |                              |  |                                     |          |           | Final    |                         | rigi     |          |          |          |              |          |          |          |                    |          | Final    | rigi     |                                     |             |          |          | -        |          |               |          |          |
| _              | ō           | 9  |              | -          |          |                              |  |                                     |          |           | -        | 1                       | Ō        |          |          |          |              |          |          |          |                    |          | "        | Õ        |                                     |             | - 1      |          | - 1      | 1        | - 1           |          |          |
| 4              | 1           | =  | $\vdash$     | +          | -        | -                            | -  |                                     |          | $\dashv$  | $\vdash$ | +                       | 51       |          |          |          |              |          | -+       | $\dashv$ |                    |          |          | 101      | Н                                   | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| 1              | 2           |  | $\vdash$     | $\dashv$   | -        | Н                            |  | Н                                   |          |           | -        |                         | 52       | $\vdash$ |          |          |              | $\dashv$ | $\dashv$ | -+       |                    |          | -        | 102      |                                     |             |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| 2              |             | =  | $\vdash$     | -          | -        | -                            | $\vdash$   | -                                   | _        | $\dashv$  | -        |                         |          | -        |          |          |              |          | $\dashv$ | $\dashv$ | -+                 | -        | -        |          | Н                                   | $\dashv$    |          |          | -        | $\dashv$ | +             | $\dashv$ | $\dashv$ |
| 3              | 3           | =  | $\vdash$     |            | _        | ٠                            |  | _                                   |          |           |          |                         | 53       | $\vdash$ | _        | -        |              | -        | -        | $\dashv$ | -+                 | -        | -        | 103      | Н                                   | $\dashv$    |          | -        | -        | $\dashv$ | +             | $\dashv$ | _        |
| 4              | 4           | =  |              | -          | _        | _                            |  | Н                                   |          |           |          |                         | 54       | _        | _        | _        |              | 4        | _        | $\dashv$ | -                  | 4        | -        | 104      | Щ                                   | -           | -        | $\dashv$ |          | $\dashv$ | -             | $\dashv$ | _        |
| 5              | 5           | =  | $\vdash$     | _          | _        |                              |  |                                     |          |           |          |                         | 55       |          | _        |          |              | 4        |          | _        | _                  | 4        |          | 105      |                                     |             |          | _        |          | _        | $\dashv$      | 4        |          |
| 6              | 6           | =  |              | _          |          |                              |  |                                     |          | _         |          |                         | 56       | 4        |          |          |              |          |          | _        |                    | _        | <u></u>  | 106      |                                     |             | _        | _        | _        | _        |               | _        |          |
|                | 7-          | <u> </u>   |              |            |          |                              |  |                                     |          | _         |          |                         | 57       | $\dashv$ | _        | _        |              |          | _        | _        | _                  | _        |          | 107      |                                     | Ш           | _        | _        | _        | _        |               | 4        | _        |
|                | *           | <u>L</u>   |              | _          | _        |                              |  |                                     |          | _         | _        |                         | 58       |          |          | _        |              |          |          | _        |                    | _        |          | 108      |                                     |             |          | _        | _        | _        |               | _        | _        |
|                | ቀ           | L  |              |            |          |                              |  |                                     |          | Ш         | L        |                         | 59       |          |          |          |              |          |          |          |                    |          | <u></u>  | 109      |                                     |             | _        |          | _        | _        |               | _        | _        |
|                | 19          |  |              |            |          |                              |  |                                     |          |           |          |                         | 60       | $\Box$   |          |          |              |          | _        | _        |                    | _        | L        | 110      |                                     |             |          | _        |          | _        |               | _        | _        |
|                | 1           |  | $\Box$       |            |          |                              |  |                                     |          |           |          | $\perp$                 | 61       |          |          |          |              |          |          |          |                    |          | L        | 111      |                                     | Ш           |          |          |          |          | $\dashv$      | $\perp$  |          |
|                | 12          |  |              | $\Box$     |          |                              |  |                                     |          |           |          |                         | 62       |          |          |          |              |          |          |          |                    |          |          | 112      |                                     | Ш           |          | $\Box$   |          | ot       |               | $\Box$   |          |
|                | 13          |  |              | J          |          |                              |  |                                     |          |           | L        |                         | 63       |          |          |          |              |          |          | $\Box$   |                    | ╝        |          | 113      |                                     | Ш           |          | I        | I        |          |               | [        | _]       |
| 7              | 14          | =  |              | $\Box$     |          |                              |  |                                     |          |           |          |                         | 64       |          |          |          |              |          |          | $\Box$   | $oxed{\mathbb{I}}$ | _]       |          | 114      |                                     |             | $\Box$   |          |          |          | $\Box$        | $\Box$   |          |
| 8              | 15          | =  |              | T          |          |                              |  |                                     |          |           |          |                         | 65       |          |          |          |              |          | _7       |          |                    |          |          | 115      |                                     |             |          | $\Box$   |          |          |               |          |          |
| 9              | 16          | =  |              | 寸          |          |                              |  |                                     |          |           |          | T                       | 66       |          |          |          |              |          | $\Box$   | $\Box$   | $\Box$             |          |          | 116      |                                     |             |          |          |          |          | $\Box$        | $\Box$   |          |
| 10             | 17          | =  |              | $\dashv$   | $\neg$   | П                            |  |                                     |          |           |          | $\top$                  | 67       |          |          |          |              |          | $\neg$   | $\neg$   | $\neg$             | 7        |          | 117      |                                     |             |          | $\neg$   |          | 一        | $\Box$        | $\neg$   | コ        |
| 11             | 18          | =  | П            | T          | T        |                              |  |                                     |          |           |          |                         | 68       |          |          |          |              |          | 寸        | $\neg$   |                    | 1        |          | 118      |                                     |             |          |          |          |          | $\neg$        | $\neg$   | $\neg$   |
| 12             | 19          | =  | $\vdash$     | ╛          | 寸        |                              |  |                                     |          |           | $\vdash$ |                         | 69       |          | -        |          |              |          |          | 一        |                    | _        |          | 119      |                                     |             | ヿ        | 一        | $\neg$   | 乛        | $\neg$        | 寸        | $\neg$   |
| 13             | 20          | =  | $\vdash$     | _          |          |                              |  |                                     |          | $\dashv$  | <u> </u> |                         | 70       |          |          | _        |              | $\dashv$ |          | 寸        | $\dashv$           | ┪        |          | 120      |                                     |             |          | 一        | $\dashv$ | 一        | 一             | 寸        | ᅥ        |
| 14             | 21          | =  | $\vdash$     | ┪          | $\dashv$ | -                            |  | $\vdash$                            | _        | $\neg$    | $\vdash$ |                         | 71       |          | _        | $\dashv$ | $\vdash$     |          | _        | _        | 十                  | ┪        | <u> </u> | 121      | -                                   |             |          |          |          | _        | 十             | 寸        | $\dashv$ |
| 15             | 22          | =  | $\vdash$     | $\dashv$   | $\dashv$ | $\vdash$                     | -  | -                                   | _        | $\dashv$  |          |                         | 72       |          |          |          | $\vdash$     | -        | $\dashv$ | -        | -+                 | -        |          | 122      | -                                   |             | -        | ┪        |          |          | $\dashv$      | $\dashv$ | ᅥ        |
| 16             | 23          | =  | $\vdash$     | ┰          |          | _                            | H  | H                                   |          | $\dashv$  | -        | +                       | 73       | $\vdash$ | _        |          | Н            | $\dashv$ |          | $\dashv$ | -+                 | $\dashv$ | $\vdash$ | 123      | $\vdash$                            | -           | -        | ┪        | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| 17             | 24          | =  | ┝╼┼          | $\dashv$   | $\dashv$ | -                            | -  | -                                   | $\vdash$ | $\dashv$  | $\vdash$ |                         | 74       | $\vdash$ | _        | -        | Н            | $\dashv$ | -        | $\dashv$ | $\dashv$           | $\dashv$ | $\vdash$ | 124      |                                     | H           | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$      | $\dashv$ | ᅱ        |
|                |             | =  | ₩            | -+         |          | $\vdash$                     | $\vdash$   | $\vdash$                            | _        | $\dashv$  | $\vdash$ |                         | 75       | $\vdash$ |          |          | Н            |          | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ |          | 125      |                                     | -           | -        |          | $\dashv$ |          | $\rightarrow$ | -        | ᅱ        |
| 18             | 25<br>26    | =  | ┢╌┢          | -          |          | <del> </del>                 | -  | $\vdash$                            |          |           | -        |                         | 76       |          |          |          | Н            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | -        | 126      | $\vdash$                            | $\vdash$    | -        | -        |          |          | $\dashv$      | $\dashv$ | $\dashv$ |
| 19             | 27          |  | ┝┈┯          | $\dashv$   | $\dashv$ | ┝                            | -  | <del> </del>                        | $\vdash$ | -         | -        |                         |          | Н        | _        |          |              | $\dashv$ | -        | $\dashv$ | -+-                | $\dashv$ |          | 127      |                                     | $\vdash$    | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ |
| 20             |             | Ξ  |              | $\dashv$   | $\dashv$ | -                            | _  | -                                   | -        | $\vdash$  | $\vdash$ | +                       | 77       | Н        | _        | _        | Н            | $\dashv$ | $\dashv$ |          |                    |          | -        |          | ⊢                                   | $\vdash$    | -        | -        | -        | -        | $\dashv$      | $\dashv$ | $\dashv$ |
| 21             | 28          | =  |              | $\dashv$   |          | $\vdash$                     | $\vdash$   |                                     |          |           | -        | +                       | 78       | Н        |          |          | Н            | $\dashv$ | $\dashv$ | $\dashv$ | +                  |          |          | 128      | _                                   | $\vdash$    |          | -        | $\vdash$ | $\dashv$ | $\dashv$      | $\dashv$ |          |
| 22             | 29          | =  | $\vdash$     | 4          | _        |                              | ļ  | _                                   |          | Н         | -        |                         | 79       | Н        |          |          | $\vdash$     | $\dashv$ |          | -        |                    |          | <u> </u> | 129      | H                                   |             | _        |          | $\dashv$ | _        | $\dashv$      | $\dashv$ | $\dashv$ |
| 23             | 30          | =  | $\sqcup$     | $\dashv$   | _        | <u> </u>                     | ļ  | ļ                                   |          | Ш         | <u> </u> | -                       | 80       |          |          |          | Ш            | $\dashv$ | _        | $\dashv$ | _                  | 4        |          | 130      | _                                   | $\sqcup$    | _        | _        |          | _        | $\dashv$      | 4        | 괵        |
| 24             | 31          | =  | <b></b> -    | _          | _        |                              |  |                                     |          |           | <u> </u> | _                       | 81       | Ш        |          | _        | Ш            | $\dashv$ | _        | $\dashv$ | _                  | _        |          | 131      |                                     | $\square$   | _        |          |          | _        | $\dashv$      | _        | _        |
| 25             | 32          | =  | $\sqcup$     | _          | _        | $ldsymbol{ldsymbol{\sqcup}}$ | L.   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |           | <u> </u> |                         | 82       | Ш        |          |          | Ш            | $\Box$   | _        | _        | _                  | _        | <u></u>  | 132      | <u> </u>                            | $\sqcup$    | _        |          | $\Box$   | _        | $\dashv$      | _        | ᅬ        |
| 26             | 33          | =  | $\sqcup$     | _          |          | <u> </u>                     | <u> </u>   | Ш                                   |          | Щ         | $\vdash$ | 4                       | 83       | L.,      |          |          | Ш            |          | _        | _        | _                  | _        |          | 133      | L                                   | Щ           | _        |          | -        |          |               | _        |          |
| 27             | 34          | =  | oxdapsilon   |            |          |                              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u>                            |          | Ш         | _        |                         | 84_      | L        |          | Ш        |              | Ц        | _        | $\perp$  |                    | _        |          | 134      | Ш                                   | Ш           |          |          |          |          | $\dashv$      |          |          |
| 28             | 35          | =  | $oxed{oxed}$ | 1          |          | _                            |  |                                     |          | Ш         | $\perp$  |                         | 85       | Ш        |          |          | Щ            |          |          |          | $\perp$            | _        |          | 135      | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш           |          |          |          |          | $\dashv$      |          |          |
| 29             | 36          | =  |              |            |          | _                            |  |                                     | L        | Ш         |          |                         | 86       | Ш        | Ш        |          |              |          |          |          |                    |          |          | 136      |                                     | Ш           |          |          |          |          | $\perp$       | ļ        |          |
| 30             | 37          | =  | Ш            |            |          |                              |  |                                     |          |           |          |                         | 87       |          |          | L        | $oxed{oxed}$ |          |          |          |                    | _        |          | 137      |                                     | Ш           |          |          |          |          |               | $\perp$  |          |
| 31             | 38          | =  | LJ           | J          |          |                              |  | L                                   |          |           |          |                         | 88       |          |          |          |              |          |          |          |                    |          |          | 138      | $oxed{\Box}$                        | $\bigsqcup$ |          |          |          |          | $\Box$        |          | ]        |
| 32             | 39          | =  |              |            |          |                              |  |                                     |          |           |          | $oldsymbol{\mathbb{T}}$ | 89       |          |          |          |              |          |          |          | $\Box$             |          |          | 139      |                                     |             |          |          |          | ]        | J             |          |          |
| 33             | 40          | =  |              | コ          |          |                              |  |                                     |          |           |          |                         | 90       |          |          |          |              |          |          |          | T                  |          |          | 140      |                                     |             |          |          |          |          |               |          |          |
| 34             | 41          | =  | П            | T          |          | Γ                            |  |                                     |          |           |          | $\top$                  | 91       |          |          |          | П            |          | $\neg$   |          |                    |          |          | 141      |                                     |             |          |          |          |          | $\Box$        | $\neg$   |          |
| 35             | 42          | =  |              | $\dashv$   | $\neg$   | Г                            | <u> </u>   | Г                                   |          | П         |          | $\neg$                  | 92       | П        |          |          | П            | $\Box$   | $\neg$   |          |                    | 7        |          | 142      |                                     |             |          |          |          |          | 寸             | ヿ        | ᅦ        |
| 36             | 43          | =  |              | 7          |          | <u> </u>                     | Г  | Г                                   |          | П         |          | $\dashv$                | 93       | П        |          |          |              |          | T        | 寸        | $\neg \uparrow$    | 7        |          | 143      | Ι                                   | П           |          |          |          |          | $\dashv$      | 寸        | $\dashv$ |
| 37             | 44          | =  |              | 寸          |          | lТ                           | T  | ┰                                   | Г        | $\square$ |          | $\dashv$                | 94       | П        |          |          | Г            |          |          | T        | $\neg \dagger$     | 1        |          | 144      | T                                   |             |          |          |          |          | 寸             | 7        | ᅥ        |
| 38             | 45          | ╘  | $\vdash$     | $\dashv$   |          |                              |  |                                     | T        | $\square$ |          | $\top$                  | 95       | Н        | $\vdash$ | М        |              |          |          | 一        |                    | $\dashv$ |          | 145      | Т                                   | П           |          | _        | Н        | _        | $\dashv$      | $\dashv$ | $\dashv$ |
| <del>  "</del> | 46          | $\vdash$   | $\vdash$     | $\dashv$   | -        | $\vdash$                     | $\vdash$   |                                     | $\vdash$ | Н         | -        | +                       | 96       | H        | _        |          |              | $\neg$   | -        | $\dashv$ | -+                 | ╡        |          | 146      | $\vdash$                            | Н           | $\dashv$ |          |          | $\neg$   | $\dashv$      | $\dashv$ | $\dashv$ |
| <u> </u>       | 47          | <del>                                     </del> | -+           |            |          | -                            | $\vdash$   | $\vdash$                            | -        | H         | -        | $\dashv$                | 97       | H        |          | $\vdash$ |              |          | $\dashv$ | -        | $\dashv$           | -        | -        | 147      | -                                   | H           |          | _        | Н        | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ |
| <b>-</b>       | 48          | $\vdash$   |              | -          |          | $\vdash$                     | <del>                                     </del> | $\vdash$                            | ⊢        | Н         | $\vdash$ | +                       | 98       | Н        | $\vdash$ | $\vdash$ |              | $\vdash$ |          | _        | $\dashv$           | $\dashv$ | -        | 148      | $\vdash$                            | Н           | $\dashv$ | $\dashv$ | Н        | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ |
| <del></del>    | 49          | -  |              | -          |          | -                            | $\vdash$   | ├                                   | ├─       | H         | $\vdash$ | +                       | 99       | -        |          | $\vdash$ | $\vdash$     | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | <b>—</b> | 149      | $\vdash$                            | Н           |          | -        | H        | -        | $\dashv$      | $\dashv$ | $\dashv$ |
| <b></b>        | 50          | ⊢  | $\vdash$     | -          |          | -                            |  | ├-                                  | $\vdash$ | H         | $\vdash$ | +                       | 100      | $\vdash$ | <u> </u> |          | $\vdash$     |          |          |          | +                  | $\dashv$ |          | 150      | -                                   | Н           |          | $\dashv$ | Н        | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ |
| <u> </u>       | _ <u>50</u> | L  | ╙            | $_{\perp}$ |          | ـــــ                        | L  | L                                   | L        | Ш         | ـنا      |                         | 100      |          | Щ.       | L        |              |          |          |          |                    |          |          | LIOU     |                                     | ш           |          |          | لـــا    | ш        |               |          |          |